

$\sin x = \sqrt{3}/2$   
 $x = 2P/3 + 2Pn, n \in Z$   
 $x = P/3 + 2Pn, n \in Z$

$\cos x = -1/2$   
 $x = 2P/3 + 2Pn, n \in Z$   
 $x = 4P/3 + 2Pn, n \in Z$   
 $x = +2P/3 + 2Pn, n \in Z$

$\sin x = 2$   
 Решений нет

$\cos x = 1/5$   
 $x = \arccos(1/5) + 2Pn, n \in Z$   
 $x = -\arccos(1/5) + 2Pn, n \in Z$   
 $x = +\arccos(1/5) + 2Pn, n \in Z$

$\sin x = -1$   
 $x = 3P/2 + 2Pn, n \in Z$

$\sin x = -2/5$   
 $x = \arcsin(-2/5) + 2Pn, n \in Z$   
 $x = P - \arcsin(-2/5) + 2Pn, n \in Z = P + (\arcsin(2/5)) + 2Pn$

$\operatorname{tg} x = 100$   
 $x = \operatorname{arctg}(100) + Pn, n \in Z$

$\operatorname{ctg} x = -\sqrt{3}$   
 $x = 5P/6 + 2Pn, n \in Z$   
 $x = 11P/6 + 2Pn, n \in Z$   
 $x = 5P/6 + Pn, n \in Z$

$\operatorname{ctg} x = 1$   
 $x = P/4 + 2Pn, n \in Z$   
 $x = 5P/4 + 2Pn, n \in Z$   
 $x = P/4 + Pn, n \in Z$

